



National Aeronautics and Space
Administration
Jet Propulsion Laboratory
California Institute of Technology

AQUARIUS/SAC-D

Project Overview

Salient Features

- **NASA-CONAE Partnership Science Mission**
- **NASA's L-band Radiometer / Scatterometer**
- **CONAE's Service Platform & MOC**
- **Dedicated Delta II launch vehicle provided by NASA**
- **Launch date: April 2011**
- **Aquarius Operational life: 3 years**
- **Aquarius PI: Gary Lagerloef, ESR**
- **SAC-D PI : Sandra Torrusio, CONAE**
- **Aquarius Project Manager: Amit Sen, NASA JPL**
- **SAC-D Project Manager: Luis Genovese, CONAE**
- **Aquarius Project Scientist: Yi Chao, NASA JPL**
- **JPL Program Manager: Steven Bard, NASA JPL**
- **NASA Program Exec.: Eric Ianson, NASA HQ**
- **NASA Program Scientist: Eric Lindstrom, NASA HQ**



Goddard Space Flight Center



<http://aquarius.gsfc.nasa.gov>

Science

- **Investigate the links between the global water cycle, ocean circulation and climate**
- **Make global, space-based measurements of Sea Surface Salinity (SSS)**
- **Provide 0.2 psu accuracy at monthly, 100 km resolution**
- **Observe and model seasonal and year-to-year variations of SSS, and how these relate to changes in the water cycle and ocean circulation**
- **Aquarius will yield an unprecedented view of ocean's role in climate and weather**